

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09582809	
	Filing Date		2000-06-30	
	First Named Inventor	George E. Seidel		
	Art Unit	1634		
	Examiner Name	Carla J. Myers		
Attorney Docket Number		XY-Lodo-USNP		

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1	1471019	UK		1977-04-21	United Aircraft Corp.		<input type="checkbox"/>
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	2	Smorag, Z., et al., Cattle Sex Regulation by Separation of X and Y Spermatozoa – Preliminary Results of Field Experiment in Poland, Reproduction, Fertility and Development 17(2) 306–306, 01/01/2005	<input type="checkbox"/>
	3	Crichton, E., et al. (Abstract) Artificial Insemination of Lactating Holstein Cows with Sexed Sperm, Reproduction, Fertility and Development 18(2) 281 - 281, 12/14/2005	<input type="checkbox"/>
	4	Lindsey, A.C., et al. Hysteroscopic insemination of low numbers of flow sorted fresh and frozen/thawed stallion spermatozoa, Equine Vet J. 2002 Mar;34(2) 106-7.	<input type="checkbox"/>
	5	Drobnis, E. Z. Cold shock damage is due to lipid phase transitions in cell membranes : a demonstration using sperm as a model, Journal of experimental zoology (J. exp. zool.) 1993, vol. 265, no4, pp. 432-437 (22 ref.)	<input type="checkbox"/>
	6	Hagele, W.C., et al., Effect of Separating Bull Semen into X and Y Chromosome-bearing Fractions on the Sex Ratio of Resulting Embryos; Cran J Comp. Med, 1984: 48 294-298	<input type="checkbox"/>

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7	US Patent Application Number 11/422,735 filed 05/25/2006 entitled Apparatus, Methods and Processes for Sorting Particles and for Providing Sex-Sorted Animal Sperm	<input type="checkbox"/>
8	Suh, T K, et al., Pressure during flow sorting of bull sperm affects post-thaw motility characteristics; Theriogenology Vol. 59, No. 1, January 2003 p 516	<input type="checkbox"/>
9	Rath, D, et al., In Vitro Production of Sexed Embryos for Gender Preselection: High-speed sorting of X-Chromosome-Bearing Sperm to Produce Pigs After Embryo Transfer, J. Anim. Sci. 1999, 77:3346-3352	<input type="checkbox"/>
10	Auchtung, T.L., et al., Effects of Photoperiod During the Dry Period on Prolactin, Prolactin Receptor, and Milk Production of Dairy Cows, Journal of Dairy Sci. 88: 121-127, American Dairy Sci. Assoc., 2005	<input type="checkbox"/>
11	Bailey, Tom and Currin, John Milk Production Evaluation In First Lactation Heifers; 1999 Virginia Cooperation Extension/Dairy Science Publication 404-285	<input type="checkbox"/>
12	Belloin, J C., Milk and Dairy products: production and processing costs Food and Agriculture Organization of United Nations Rome 1988 FAO, web page where found: www.fao.org/docrep/003/x6931e/x6931e00.htm	<input type="checkbox"/>
13	Kume, Shin-ichi, Dept of Animal Nutrition National Institute of Animal Industry Tsukuba 305, Japan THE DAIRY INDUSTRY \$IN ASIA B. JAPAN; www.agnet.org/library/article/eb384b.html	<input type="checkbox"/>
14	Crichton, E., Huffman, S., McSweeney, K., and Schenk, J. 347 Artificial Insemination of Lactating Holstein Cows with sexed sperm; Abstract CSORP Publishing - Reproduction, Fertility and Development www.publish.csiro.au/nid/44/paper/RDv18n2Ab347.htm	<input type="checkbox"/>
15	Lopez, H., Caraviello, D.Z., Satter, L.D., Fricke, P.M. and Willbank, M.C.; Relationship Between Level of Milk Production and Multiple Ovulation in Lactating Dairy Cows Journal of Dairy Sci. 88 2783-2793, American Dairy Science Association, 2005	<input type="checkbox"/>
16	Managing the Dairy Cow During the Dry Period; Dairy Cattle Production 341-450A; Macdonald Campus of McGill University/Faculty of Agricultural & Environmental Sciences/Department of Animal Science	<input type="checkbox"/>
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18	MILK PRODUCTION Released 7-18-2006, by the National Agricultural Statistics Service (NASS), Agri Stats Board, US Dept of Agr.	<input type="checkbox"/>
19	De Vries, A Economic Value of Pregnancy in Dairy Cattle Journal of Dairy Sci 89:3876-3885/American Dairy Sci Assoc. 2006	<input type="checkbox"/>
20	Parallel Russian Application Number 2000120216/13, Office Action Dated May 26, 2006	<input type="checkbox"/>
21	Parallel Japanese Application Number 2000-526614, Office Action dated May 24, 2006	<input type="checkbox"/>
22	Parallel Japanese Application Number 2002-044035, Office Action dated May 24, 2006	<input type="checkbox"/>
23	Johnson, L. A., Sexing mammalian sperm for production of offspring: the state-of-the-art, Animal Reproduction Science, 60-61 (2000) pp 93-107	<input type="checkbox"/>
24	Seidel, G E Jr., et al., Methods of Ovum Recovery and Factors Affecting Fertilization of Superovulated Bovine Ova, Control of Reproduction in the Cow, Sneenan ed., 1978, pp 268-280	<input type="checkbox"/>
25	Hawk, H. W. et al., Effect of Unilateral Cornual Insemination upon Fertilization Rate in Superovulating and Single-Ovulating Cattle, Journal of Animal Sciences, 1986 vol. 63, pp 551-560	<input type="checkbox"/>
26	Andersson, M. et al., Pregnancy Rates in Lactating Holstein-Friesian Cows after Artificial Insemination with Sexed Sperm. Reprod. Dom. Anim 41, 95-97, 2006	<input type="checkbox"/>
27	Morton, K. M., et al., In vitro and in vivo survival of bisected sheep embryos derived from frozen-thawed unsorted, and frozen-thawed sex-sorted and refrozen-thawed ram spermatozoa, Theriogenology, 65 (2006) 1333-1345	<input type="checkbox"/>
28	Wilson, R. D., et al., In vitro production of bovine embryos using sex-sorted sperm, Theriogenology, 65 (2006) 1007-1015	<input type="checkbox"/>

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Application Number	09582909
Filing Date	2000-06-30
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29	Garner, D L. et al., Viability Assessment of Mammalian Sperm Using SYBR-14 and Propidium Iodide, 1996, Biology of Reproduction, Vol.53, pp 276-284	<input type="checkbox"/>
30	Salisbury, G W. et al., Substrate-Free Epididymal-Like Bovine Spermatozoa, J Reprod Fertil, 1963, Vol. 6, pp. 351-359	<input type="checkbox"/>
31	US Patent Application No. 10/378,109, Office Action dated February 12, 2006 (XY-Lodo-Div2)	<input type="checkbox"/>
32	US Patent Application No. 10/378,109, Office Action dated August 31, 2006 (XY-Lodo-Div2)	<input type="checkbox"/>
33	Ozhin F V. et al. Artificial insemination of farm animals. Moscow, Izdateilstvo Selskokhozyaastvennoi Literatury, 1961, pp. 350-361 and pp. 380-393	<input type="checkbox"/>
34	Prokofiev M.I. Regulyatsia Razmnzhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 161-195	<input type="checkbox"/>
35	Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346	<input type="checkbox"/>
36	Wintzer Et al. "Krankheiten des Pferdes Ein Leitfaden für Studium und Praxis," 1982, nParey, Berlin Hamburg XP002281450	<input type="checkbox"/>
37	van Munster, E. B., "Geslachtsbepaling met interferometrie", Derde prijs NltvN-prijsvraag voor pas-gepromoveerden 65/4, (Sex Determination with Interferometry) p. 95-98 (1999)	<input type="checkbox"/>
38	Pursel, et al, "Effect of Orvus ES Paste on Acrosome Morphology, Motility and Fertilizing Capacity of Frozen-Thawed Boar Sperm," Journal of Animal Science, 47:1-198-202 (1978)	<input type="checkbox"/>
39	Waggoner, A. W., et al., "Performance, Carcass, Cartilage Calcium, Sensory and Collagen Traits of Longissimus Muscles of Open Versus 30-month-old Heifers That Produced One Calf." J. Anim. Sci. 68:2380. 1990	<input type="checkbox"/>

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40	Reiling, B. A., et al., "Effects of Prenatal Androgenization and Lactation on Adipose Tissue Metabolism in Finishing Single-Calf Heifers" J. Anim. Sci. Vol. 75 p. 1504-1512 (1997)	<input type="checkbox"/>
41	Rutler, L. M., et al., "Effect of Abomasal Infusion of Propionate on the GnRH-Induced Luteinizing Hormone Release in Prepuberal Heifers." J. Anim. Sci. 56:1167 (1983)	<input type="checkbox"/>
42	Shackelford, S. D., et al., "Effects of Slaughter Age on Meat Tenderness and USDA Carcass Maturity Scores of Beef Females." J. Anim. Sci. 73:3304. (1995)	<input type="checkbox"/>
43	US Patent Application No. 10/081,955, Office Action dated March 14, 2006 (SuperO-Cont2)	<input type="checkbox"/>

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- ☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Misha Gregory Macaw/	Date (YYYY-MM-DD)	2006-11-08
Name/Print	Misha Gregory Macaw	Registration Number	55417

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